

Enhanced Night Vision Goggle (ENVG)



Mission

Provide the individual Soldier with the ability to enhance mobility and situational awareness day or night in all weather and battlefield obscurant conditions.

Description and Specifications

The **Enhanced Night Vision Goggle (ENVG)** is a helmet-mounted passive device for the individual Soldier that optically overlays imagery from a long wave infrared sensor onto an image-intensification image to create a fused image. This optical fusion technique will enable the Soldier to carry out missions under a variety of operating conditions.

Plans for the ENVG program include upgrading to a digital package. Digital ENVG will take advantage of image processing techniques to improve image clarity and situational awareness for the Soldier. A digital system lends itself to the battlefield of the future; it can instantaneously import and export digital files (data/map injection). Performance requirements for ENVG include the following:

Weight (maximum): Two pounds, including batteries

Magnification: 1x

Continuous operation: 7.5 hours continuous fusion, plus an additional 7.5 hours of image intensification only with no battery change

Compatibility: Multifunctional Aiming Lights (AN/PEQ-2, AN/PAQ-4, ATPIAL, DBAL-A2)